

CLAIMS

1. Cooking appliance (1) comprising:
  - a condenser (23) for the steam (V) generated by cooking;
  - 5 - a water evaporator (24) which is able to cool the condenser.
2. Cooking appliance according to claim 1, characterized in that it comprises a water container (26) which is able to moisten the evaporator (24).
- 10 3. Cooking appliance according to one of claims 1 to 2, characterized in that it comprises a condensation container (25).
4. Cooking appliance according to one of claims 1 to 3, characterized in that the evaporator (24) evaporates the water condensed by the condenser (23).
- 15 5. Cooking appliance according to one of claims 1 to 4, characterized in that it comprises a porous support (30), a first face (31) of the support comprising the condenser (23) and a second face (32) of the support comprising the evaporator (24).
- 20 6. Cooking appliance according to claims 5, characterized in that the porous support (30) is able to transport the water by capillary action from the first face (31) to the second face (32).
- 25 7. Cooking appliance according to one of claims 5 to 6, characterized in that the support (30) comprises a metal part.
8. Cooking appliance according to claim 7, characterized in that the metal part of the porous support is made of aluminium.
- 30 9. Cooking appliance according to claim 7, characterized in that the metal part of the porous support is made of sintered metal.
- 35 10. Cooking appliance according to one of claims 7 to 9, characterized in that the metal part of the porous support comprises cells constituted by microperforations.
11. Cooking appliance according to one of claims 5 to 6, characterized in that the support (30) comprises a metal grid.

12. Cooking appliance according to one of claims 5 to 11, characterized in that the support (30) comprises a hydrophilic porous layer.
13. Cooking appliance according to one of claims 1 to 12, characterized in  
5 that it also comprises a fan (28).
14. Cooking appliance according to one of claims 1 to 13, characterized in that it also comprises a pressure relief valve.
- 10 15. Cooking appliance according to one of claims 1 to 14, characterized in that it also comprises a filter.